

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **59-016254**

(43)Date of publication of application : **27.01.1984**

(51)Int.Cl. **H01J 35/12**

G01N 23/18

H05G 1/04

(21)Application number : **58-097953** (71)Applicant : **TOSHIBA CORP**

(22)Date of filing : **03.06.1983** (72)Inventor : **TANIMOTO YOSHITETSU**

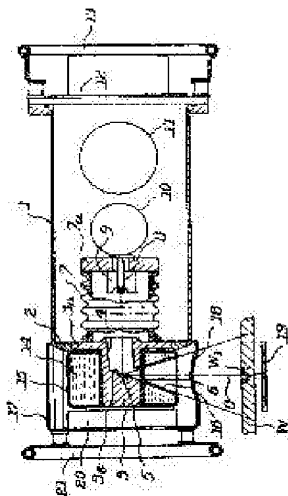
(54) **PORTABLE X-RAY EQUIPMENT**

(57)Abstract:

PURPOSE: To make it convenient for portable use besides ease of maintenance and inspection, by projectingly disposing an anode carrying a target at a position outward from a case body, while cooling an anode part, which is situated outward from it, with a radiator containing a coolant.

CONSTITUTION: A flange 3a formed solidly together with an anode 3 is attached airtightly to one side end plate 2 of a case body 1, and this anode 3 is projectingly installed outward more than the end plate 2. In addition, a target 5 is installed slantwise on an incline 3b of this anode 3, and an irradiating aperture 6 is formed in the anode 3 on an outgoing light passage 0. On the other hand, a glass body 7 as an X-ray tube is attached to the flange 3 and at the inside of an end plate 7a of this glass body 7, there are provided with a filament coil 8 and a cathode 9 in opposition to the target 5. likewise, a radiator 15 containing a coolant 14 is fitted in a peripheral surface part

where the target 5 of the anode 3 is formed, so as to improve the efficiency of heat exchange in a state of being surface contact.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]